

The application of geoinformation systems for the purposes of economical-statistical analysis

Panasyuk M., Pudovik E.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The research article discusses possibilities of modern GIS for solving problems of socio-economic analysis of regional and urban systems, and prospects of GIS support for implementation of basic functions of regional management. The experience of geoinformation technologies adoption in operation of the regional statistical agency is analyzed. Characteristics of structural-functional features of the GIS, oriented on solution of statistical analysis problems of regional systems of the Volga Federal district and the Republic of Tatarstan are given. Possibilities of its GIS-maps system and spatial databases, as well as in the authors' program package for operative preparation of the economic maps series for state estimation of main functional subsystems of the region, which enable to monitor economic activities in the regional municipalities are discussed.

<http://dx.doi.org/10.5901/mjss.2014.v5n18p145>

Keywords

Decision support, Geoinformation system, Municipal management, Regional statistics, Thematic socio-economic mapping